

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- 1-25. (Cancelled)
26. (Previously Presented) A pig for use in a tubular bore, comprising:  
a cylindrical elongate body;  
one or more blades mounted on the body, wherein each blade comprises one or more reaction surfaces, and wherein each surface comprises a peripheral edge configured to perform a rotational cleaning action for removing scale and other deposits located on an internal surface of the tubular bore, and each blade further comprises at least one fluid by-pass path through the blade to permit a flow of fluid to pass the pig, wherein each blade is manufactured from a composite comprising para-aramid fiber produced from poly-paraphenylene terephthalamide.
27. (Previously Presented) A pig as claimed in claim 26, wherein the composite further includes carbon.

28. (Previously Presented) A pig as claimed in claim 26, wherein the composite further includes glass fiber.

29. (Previously Presented) A pig as claimed in claim 26, wherein there are a plurality of blades and each pair of adjacent blades define a void therebetween.

30. (Previously Presented) A pig as claimed in claim 26, wherein the body includes means for connection to mechanical driving means, and wherein each blade comprises a fixed diameter, and wherein a combination of all blades has a watermelon shaped profile.

31. (Cancelled)

32. (Previously Presented) A method of cleaning a tubular bore, comprising:  
selecting a pig according to claim 26, wherein the pig comprises a maximum outside diameter less than an internal diameter of the tubular bore;  
inserting the pig into the tubular bore; and  
providing pressurized fluid to the tubular bore, whereupon the pressurized fluid applies a force to the reaction surfaces of each blade which urges the pig to travel through the tubular in a generally axial direction, rotate about its longitudinal axis, and further urges a

longitudinal axis of the pig to orbit about a substantially parallel longitudinal axis of the tubular bore.

33. (New) The pig of claim 26, comprising multiple blades rigidly mounted on the body, wherein each blade is fixed relative to one another.

34. (New) The pig of claim 26, comprising multiple blades rigidly mounted on the body, wherein each blade comprises a mounting aperture having the body disposed therethrough.

35. (New) The pig of claim 34, wherein a rim of each respective mounting aperture is rigidly attached to the body.

36. (New) The pig of claim 34, wherein a peripheral edge of each blade comprises at least one contact region configured to contact an interior surface of the tubular bore.

37. (New) The pig of claim 36, wherein each fluid by-pass path comprises a by-pass aperture positioned in a respective blade substantially between the mounting aperture and the contact region.

38. (New) A pig for use in a tubular bore, comprising:  
a cylindrical elongate body; and  
a plurality of blades rigidly mounted on the body, wherein each blade comprises a peripheral edge configured to contact an inner surface of the tubular bore and to perform a rotational cleaning action on the inner surface of the tubular bore, and wherein each blade is configured to cause the pig to rotate about its longitudinal axis when a pressurized fluid pushes the pig through a tubular bore.

39. (New) The pig of claim 38, wherein each blade is also configured to cause the longitudinal axis of the pig to orbit about a substantially parallel axis of the tubular bore when a pressurized fluid pushes the pig through the tubular bore.

40. (New) The pig of claim 38, wherein each blade comprises at least one fluid by-pass path that allows a flow of fluid to pass through the blade.

41. (New) The pig of claim 40, wherein the at least one fluid by-pass path in each blade is configured to allow debris removed from an inner surface of a tubular bore to pass the blade.